

Anti-TAB1 (pS438) Antibody
Rabbit polyclonal antibody to TAB1 (pS438)
Catalog # AP60935**Specification**

Anti-TAB1 (pS438) Antibody - Product Information

Application	WB
Primary Accession	Q15750
Other Accession	Q8CF89
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54644

Anti-TAB1 (pS438) Antibody - Additional Information**Gene ID** 10454**Other Names**

MAP3K7IP1; TGF-beta-activated kinase 1 and MAP3K7-binding protein 1; Mitogen-activated protein kinase kinase kinase 7-interacting protein 1; TGF-beta-activated kinase 1-binding protein 1; TAK1-binding protein 1

Target/Specificity

Recognizes endogenous levels of TAB1 (pS438) protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-TAB1 (pS438) Antibody - Protein Information**Name** TAB1**Synonyms** MAP3K7IP1**Function**

Key adapter protein that plays an essential role in JNK and NF-kappa-B activation and proinflammatory cytokines production in response to stimulation with TLRs and cytokines (PubMed: [22307082](http://www.uniprot.org/citations/22307082), PubMed: [24403530](http://www.uniprot.org/citations/24403530)). Mechanistically, associates with the catalytic domain of MAP3K7/TAK1 to trigger MAP3K7/TAK1

autophosphorylation leading to its full activation (PubMed:10838074, PubMed:25260751, PubMed:37832545). Similarly, associates with MAPK14 and triggers its autophosphorylation and subsequent activation (PubMed:11847341, PubMed:29229647). In turn, MAPK14 phosphorylates TAB1 and inhibits MAP3K7/TAK1 activation in a feedback control mechanism (PubMed:14592977). Also plays a role in recruiting MAPK14 to the TAK1 complex for the phosphorylation of the TAB2 and TAB3 regulatory subunits (PubMed:18021073).

Cellular Location

Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Note=Recruited to the endoplasmic reticulum following interaction with STING1

Tissue Location

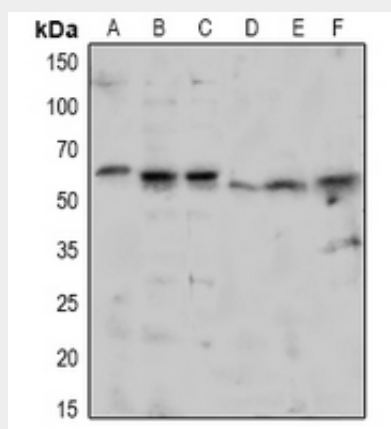
Ubiquitous..

Anti-TAB1 (pS438) Antibody - Protocols

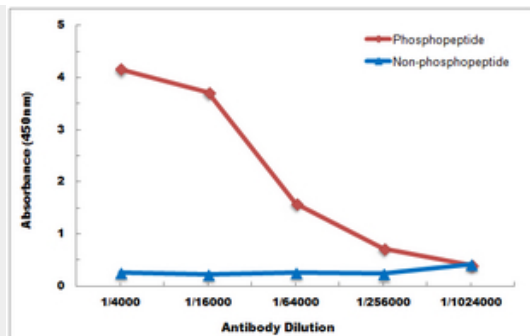
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TAB1 (pS438) Antibody - Images



Western blot analysis of TAB1 (pS438) expression in Hela (A), HEK293T (B), MCF7 (C), mouse eye (D), mouse brain (E), rat brain (F) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-TAB1 (pS438) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Anti-TAB1 (pS438) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TAB1. The exact sequence is proprietary.